COUNTIS E10 / E11 / E12

Active energy meter and concentrator

Single phase - Direct 63 A

➲ Function

The **COUNTIS E1x** is an active electrical energy meter designed for single phase networks. It is used for direct connections up to 63 A.

➲ Applications

The **COUNTIS E10** is a totalising meter allowing a direct reading of the power consumed, using a pulse output. A partial meter with reset allows the energy to be metered over a specific period.

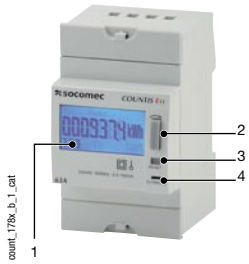
The **COUNTIS E11** also offers the option of taking two different invoicing tariffs into account. In this case, two partial meters are available.

The **COUNTIS E12** has MID certification, so it cannot be reset.

➲ Conformity to standards

- IEC 62053-23 class 2
- IEC 62053-23 class 2
- IEC 62053-21 class 1
- IEC 61557-12

Front panel



1. *LCD screen*
2. *Navigation key*
3. *Reset key*
4. *Metrological LED*

Electrical Characteristics

Current measurement	
Type	63 A
Input consumption	0.8 VA max.
Overload	30 x Imax
Sustained overload	63 A
Minimum measured current	40 mA

Voltage measurement	
Range of measurement	230 ... 400 V +/- 20%
Consumption on inrush (VA)	0,5 VA max.
Sustained overload	280 V

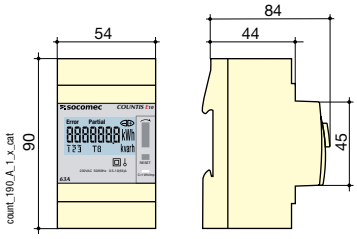
Energy accuracy	
Active (according to IEC 62053-21)	Class 1

Input supply	
Self-supply	Yes
Frequency	50/60 Hz

Output (pulsed)	
Type phototransistor	IEC 62053-31 Class A
Number	1
Fixed weight of impulses	100 Wh
Impulse duration	100 ms

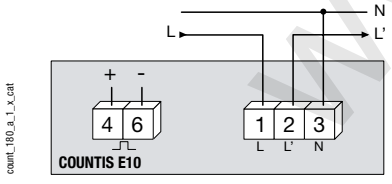
Operating conditions	
Operating temperature	-10 to 55°C °C
Storage temperature	-20 to 70°C °C
Relative humidity	85 %

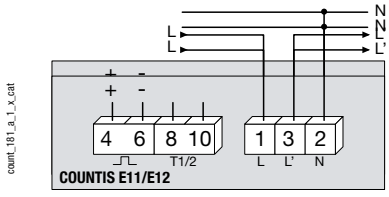
Case



Type	Modular
Number of modules	3
Dimensions W x H x D	54 x 90 x 84 mm
Case protection rating	IP 20
Front protection rating	IP 50
Display type	Backlit LCD display
Rigid cable connection section	1.5 to 16 mm²
Flexible cable connection section	1 to 16 mm²
Weight	170g

Terminals and connections





References

Type	COUNTIS E10 Reference	COUNTIS E11 Reference	COUNTIS E12 Reference
63 A direct	4850 **3000**		
63 A direct - Dual tariff		4850 **3001**	
63 A direct - Dual tariff			4850 **3002**